

Converting Colors

Yxy(46.8567, 0.4135, 0.5153)

Have a look what the booklet for
Yxy(46.8567, 0.4135, 0.5153)
contains.

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Color

Yxy(46.7720, 0.4120, 0.5111)

Conversions

Conversions Part 1

Format	Color
Hex	B6BE00
RGB	182, 190, 0
RGB Percent	71%, 75%, 0%
CMY	0.2863, 0.2549, 1.0000
CMYK	0.04, 0.00, 1.00, 0.25
HSL	63°, 100%, 37%
HSV	63°, 100%, 75%
XYZ	37.7031, 46.7720, 7.0373
YIQ	165.9480, 56.2220, -60.7860

Conversions

Conversions Part 2

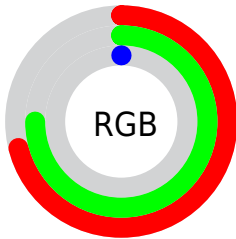
Format	Color
RYB	0, 190, 8
Decimal	11976192
CIELab	74.04, -20.74, 74.99
CIELCh	74, 77.800, 105.460
Yxy	46.7720, 0.4120, 0.5111
Android (android.graphics.Color)	4290166272 (0xFFB6BE00)
YUV	165.9480, -81.8124, 14.0776
Hunter-Lab	68.3901, -21.2764, 41.7721

Details

The Yxy color **46.7720, 0.4120, 0.5111** is a dark color, and the websafe version is hex **CCCC00**. A complement of this color would be **3.7698, 0.1513, 0.0607**, and the grayscale version is **38.4906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3829, 0.4015, 0.4825**, and **22.1764, 0.4032, 0.5181** is the 20% darker color. If you saturate the color by 10%, you get **46.7744, 0.4120, 0.5111**, and if you desaturate by 10%, it is **46.9193, 0.4105, 0.5067**.

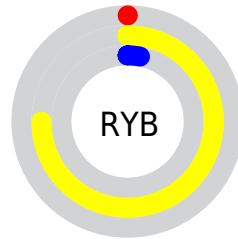
Distribution



Red (71%)

Green (75%)

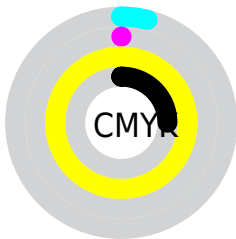
Blue (0%)



Red (0%)

Yellow (75%)

Blue (3%)

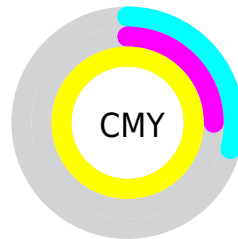


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (29%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7720, 0.4120, 0.5111 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 46.7720, 0.4120, 0.5111 by changing the saturation by 10% instead.


 46.7720, 0.4120,
0.5111


 46.7720, 0.4120,
0.5111

373.9037, 0.3727,
0.4253

 32.8554, 0.4169,
0.5283


 85.3732, 0.4011,
0.4826


 22.0157, 0.4202,
0.5473


 110.8266, 0.3960,
0.4710


 13.8685, 0.4241,
0.5732

 140.8945, 0.3912,
0.4609

 8.0292, 0.4124,
0.5876

 175.9611, 0.3868,
0.4519

 4.1137, 0.3930,
0.6070

 216.4110, 0.3828,
0.4441

 1.7373, 0.3602,
0.6398

 262.6284, 0.3791,

 0.4477, 0.0000,

0.4371

1.0000

314.9979, 0.3757,
0.4309

■ 0.0000, 0.0000,
0.0000

■ 46.7720, 0.4120,
0.5111

■ 46.7720, 0.4120,
0.5111

■ 46.7744, 0.4120,
0.5111

■ 46.9193, 0.4105,
0.5067

■ 47.1106, 0.4070,
0.4988

■ 47.3651, 0.4008,
0.4866

■ 47.6911, 0.3922,
0.4703

■ 48.0956, 0.3814,
0.4504

■ 48.5850, 0.3689,
0.4278

■ 49.1649, 0.3553,
0.4035

■ 49.8403, 0.3410,
0.3784

■ 50.6160, 0.3267,
0.3533

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.7720, 0.4895, 0.4445



46.7720, 0.4120, 0.5111



46.7720, 0.3158, 0.5276

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.7720, 0.4120, 0.5111



46.7720, 0.1395, 0.2312



46.7720, 0.3879, 0.2397

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.7720, 0.4120, 0.5111



3.7698, 0.1513, 0.0607

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.7720, 0.2778, 0.1958



46.7720, 0.4120, 0.5111



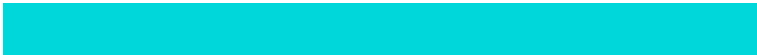
46.7720, 0.1513, 0.1859

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.7720, 0.4120, 0.5111



46.7720, 0.1618, 0.3241



46.7720, 0.1962, 0.1766



46.7720, 0.4859, 0.3009

Rectangle

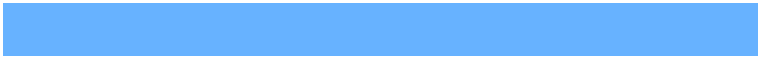
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.7720, 0.4120, 0.5111



46.7720, 0.2522, 0.4854



46.7720, 0.1962, 0.1766



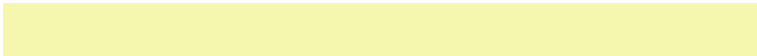
46.7720, 0.3498, 0.2227

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.7744, 0.4120, 0.5111



89.0310, 0.3559, 0.4047



11.0856, 0.6377, 0.3318



19.4481, 0.3619, 0.4152



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.7744, 0.4120, 0.5111



84.7258, 0.4119, 0.5112



38.9378, 0.3321, 0.5746



11.0995, 0.3258, 0.3517



31.1084, 0.4121, 0.5110



1.2249, 0.4139, 0.5095

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



3.7698, 0.1513, 0.0607



6.8044, 0.1509, 0.0605



6.5043, 0.2088, 0.0924



9.2441, 0.2990, 0.3053



2.5151, 0.1516, 0.0609



0.1052, 0.1576, 0.0642

Previews

White Background



This preview shows how the Yxy color 46.7720, 0.4120, 0.5111 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 46.7720, 0.4120, 0.5111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7720, 0.4120, 0.5111

Background



This preview shows how black text looks on a background with the Yxy color 46.7720, 0.4120, 0.5111.



This preview shows how white text looks on a background with the Yxy color 46.7720, 0.4120, 0.5111.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46.7720, 0.4120, 0.5111

Protanopia

46.4350, 0.4407, 0.4883

Deuteranopia

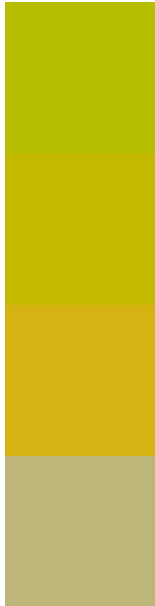
46.2568, 0.4673, 0.4570



Tritanopia

46.7641, 0.3178, 0.3128

Trichromacy



Original Color

46.7720, 0.4120, 0.5111

Protanomaly

46.5682, 0.4304, 0.4964

Deuteranomaly

46.2843, 0.4476, 0.4775

Tritanomaly

45.7835, 0.3700, 0.4090

Monochromacy



Original Color

46.7720, 0.4120, 0.5111

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

40.4712, 0.3678, 0.4259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7720, 0.4120, 0.5111 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(182, 190, 0)` looks like.

```
.text, #text, p{  
    color:rgb(182, 190, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(182, 190, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 190, 0) }
```

Border

The CSS property to change the border of an element to Yxy 46.7720, 0.4120, 0.5111 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(182, 190, 0) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(182, 190, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(182, 190, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 190, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 190, 0);  
box-shadow:4px 4px 4px 4px rgb(182, 190,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7720, 0.4120, 0.5111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 190, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(182,  
190, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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